

CAMP DRESSER & MCKEE INC.

1987 03 24 09

SOUTHWESTERN

MEMORANDUM

TO: Rich Petrus
FROM: Jeff Sullivan *[Signature]*
SUBJECT: Compliance Monitoring of Groundwater Sampling
DOCUMENT CONTROL
NUMBER: 7777-143-TS1-ECVN-1
DATE: March 16, 1987

On February 3, 4, and 5, I observed a crew from Keystone Environmental Resources, Inc. (KEI) obtain groundwater samples at the South Cavalcade Site. The crew consisted of Scott Barnes, Dave Hails, and Bill Rupert.

Split samples were obtained from wells MW2 and MW10. These samples were sent to CLP laboratories. The chain of custody forms for the sample shipment are attached. The numbering of these samples is as follows:

<u>Well Name</u>	<u>Organic #</u>	<u>Inorganic #</u>	<u>Note</u>
MW2	FD261	MFC452	
MW10	FD263	MFC454	
MW2	FD262	MFC453	Duplicate
MW50	FD264		Trip Blank - VOA only

Organic samples were shipped via Federal Express to Southwestern Research Institute. Inorganic samples were shipped via Federal Express to Wilson Laboratory. Tony Nesky of the Sample Management Office was notified of sample shipment on February 6th.

Information on static water levels is given in the attached KEI field notes. Water level measurements were not observed since all water levels were measured on February 2nd before I arrived on site. The thicknesses of any creosote layers were not noted in the KEI field notes. The depth and water level of well OW06 was not measured since KEI personnel had only a 100 foot tape. Furthermore, KEI personnel did not have information on the well construction so the standing volume of water in this well was unknown. A total of between 95 (my estimate) and 115 (KEI estimate) gallons of water were purged from this well over a two day period. The required purge volume is unknown, but is estimated to be 144 gallons.

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One observed deviation from standard well sampling procedure was that KEI personnel counted the number of bailers removed from the well rather than examining the quantity of water actually removed from the well. KEI personnel admitted that it was difficult to keep track of the number of bailers removed. I closely watched the volume of water actually removed from the well using a 5 gallon bucket. Unfortunately I could not check the actual purge volume at all wells since three wells were purged simultaneously; however, at the wells I did examine the actual purge volume exceeded 3 well volumes.

No other deviations from standard sampling procedures were noted. My field notes for this sampling event are attached.

JS/saw

Attachments

cc: Rex Hart - FPC/Annandale

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